RICK D. NYDEGGER BRENT P. LORIMER THOMAS R. VUKSINICK LARRY R. LAYCOCK JONATHAN W. RICHARDS DAVID R. WRIGHT JOHN C. STRINGHAM JOHN M. GUYNN CHARLES L. ROBERTS Dana L. Tangren ERIC L. MASCHOFF CHARLES J. VEVERKA ROBYN L. PHILLIPS RICHARD C. GILMORE \*

STERLING A. BRENNAN R. BURNS ISRAELSEN DAVID R. TODD DAVID B. DELLENBACH

L. DAVID GRIFFIN ADRIAN I. LEE FRASER D. ROY

CARL T. REED R. Parrish Freeman, Jr. PETER F. MALEN, JR.

NOV 0 7 200

Workman | Nydegger

INTELLECTUAL PROPERTY ATTORNEYS

**60 EAST SOUTH TEMPLE** SALT LAKE CITY, UTAH 84111 TELEPHONE: (801) 533-9800

Fax: (801) 328-1707 WEBSITE: HTTP://www.wnlaw.com

**PATENT** Docket No. 15436.436.5

> Art Unit 2828

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Ralph H. Johnson

10/026,020 Serial No.:

15436.436.5 Filed:

VERTICAL CAVITY SURFACE EMITTING For:

> LASER INCLUDING INDIUM AND ANTIMONY IN THE ACTIVE REGION

Examiner: Dung Nguyen

6,975,660 B2 Patent No.:

Dec. 13, 2005 Issue Date:

# REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323

Attn: Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. § 1.323 which implement 35 U.S.C. § 255, the Commissioner is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form 1050 reflects the desired corrections. Also enclosed please find a check in the amount of \$100.00 to cover the costs for issuance of this certificate.

L. REX SEARS, Ph.D.

ROBERT E. AYCOCK JENS C. JENKINS MICHAEL B. DODD BRETT I. JOHNSON SARA D. JONES TIGE KELLER Janna J. Lewis J. LaVar Oldham MICHAEL I. FRODSHAM WESLEY C. ROSANDER RYAN N. FARR WILLIAM R. RICHTER KEVIN W. STINGER MATTHEW D. TODD MATTHEW A. BARLOW Andrew S. Hansen CHAD E. NYDEGGER JOSEPH G. PIA CLINTON E. DUKE IAMES B. BELSHE

KIRK R. HARRIS MICHAEL M. BALLARD DAVID A. JONES SHANE K. IENSEN JONATHAN M. BENNS, Ph.D. SCOTT A. WOODBURY IOHN T. GADD MARK W. FORD COLBY C. NUTTALL AARON M. SMITH KULANIAKEA FISHER THOMAS M. BONACCI Paul G. Johnson GREGORY R. LUNT AMBER B. LEAVITT JEFFERY M. LILLYWHITE HEATHER MANWARING JOHN C. BACOCH

VERNON R. RICE &

PAUL N. TAYLOR

RONALD J. WARD

11/02/2007 WASFAU1 000C0050 6975660

100.00 OP

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Certificate

NOV 0 6 2007

of Correction

Assistant Commissioner	for	Patents
Page 2		

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 23–3178. Duplicate copies of this letter are enclosed.

Dated this b day of October, 2007.

Respectfully submitted,

R. Burns Israelsen Attorney for Patentee Registration No. 42,685 Customer No. 022913

RBI:jsb Docket No. 15436.436.5 PR0000002571V001

# CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 30 day of 0ctober, 2007.

Transmitted:

REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323, PTO Form 1050 and Check No. \_\_\_\_\_\_\_\_ for \$100.00

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# Workman | Nydegger

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Art Unit

2828

PATENT Docket No. 15436.436.5

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Ralph H. Johnson

Serial No.:

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VERTICAL CAVITY SURFACE EMITTING

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Examiner:

Dung Nguyen

Patent No.:

6,975,660 B2

Issue Date:

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OF COUNSEL

PAUL N. TAYLOR

Assistant Commissione	r for Patents
Page 2	

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.

DOC Code: COCIN

: 6,975,660 B2

Page 1 of 3

APPLICATION NO. : 10/026,020

ISSUE DATE

: Dec. 13, 2005

INVENTOR(S)

: Ralph H. Johnson

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

# **Title Page**

Item (56), Page 3, OTHER PUBLICATIONS, "Blum, O., et al. 'Electrical..." change "AlAsSb/BaAsSb" to --AlAsSb/GaAsSb--

Item (56), Page 3, OTHER PUBLICATIONS, "Hall, E., et al., 'Increased..." change "AllnAs" to --AlInAs--

Item (56), Page 3, OTHER PUBLICATIONS, "Hong, Y., et al., 'Improving..." change "Ga(In)Nas" to -- Ga(In)NAs--

Item (56), Page 3, OTHER PUBLICATIONS, "Kim, J., et al., 'Room-temperature..." change "VDSELs" to --VCSELs--

Item (56), Page 4, OTHER PUBLICATIONS, "Nakagawa,..." change "DRBs" to --DBRs--Item (56), Page 4, OTHER PUBLICATIONS, "Ohnoki..." change "AlAs/ AllnAs-oxide" to --AlAs/AlInAs-oxide--

Item (56), Page 4, OTHER PUBLUCATIONS, "Ohnoki..." change "inP-based" to --InP-based--Item (56), Page 4, OTHER PUBLICATIONS, "Sugimoto..." change "distribut4ed" to --distributed--Item (56), Page 4, OTHER PUBLICATIONS, Right column, remove 7 lines beginning with "Anan, T., et al., 'High-temperature..." and ending with "vol. 76, No 7, Feb. 14, 2000..."

# Column 3

Line 49, change "ev" to --eV--

# Column 4

Line 46, after "analysis of a" insert --normal--Line 56, change "illustrating" to --illustrations of--

# Column 5

Line 8, remove [this]

Line 27, change "ev" to --eV--

Line 28, change "ev" to --eV--

Line 37, after "right hand" insert --side--

MAILING ADDRESS OF SENDER (Please do not use customer number

R. Burns Israelsen, Esq., WORKMAN NYDEGGER 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, Utah 84111

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450. Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.

: 6,975,660 B2

Page 2

of 3

**APPLICATION NO. : 10/026,020** 

**ISSUE DATE** 

: Dec. 13, 2005

INVENTOR(S)

: Ralph H. Johnson

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### Column 6

Line 61, change "ev" to --eV--Line 62, change "ev" to --eV--

### Column 7

Line 17, after "effective mass" insert --,-Line 24, change "ev" to --eV--Line 25, change "ev" to --eV--

# Column 9

Line 5, change "comprises" to --comprise--Line 37, change "115" to --112--

# Column 10

Line 11, change "VCSELS" to -VCSELs--

# Column 11

Line 58, remove [and]

Line 59, change "region." to --region; and--

Between lines 59 and 60 insert -- a compressively strained flattening layer sandwiched between a lower confining later and the active region and that flattens a surface on which the active region is formed.--

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R. Burns Israelsen, Esq., WORKMAN NYDEGGER 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, Utah 84111

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Page 3 of 3

APPLICATION NO. : 10/026,020

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INVENTOR(S)

: Ralph H. Johnson

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# Column 12

Line 48, after "quantum" insert --well-

Line 54, remove [and]

Line 55, change "region." to --region; and--

Between lines 55 and 56, insert -- a compressively strained flattening layer sandwiched between a lower confining layer and the active region and that flattens a surface on which the active region is

Line 64, change "confinement" to --barrier--

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Line 5, after "quantum" insert --well--

Line 12, remove [and]

Line 13, change "region." to --region; and--

After line 13, insert -- a compressively strained layer sandwiched between a lower confining layer and the active region and that flattens a surface on which the active region is formed .--

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6 200**7** MOA

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PATENT NO.

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Page 2 of 3\_

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DOC Code: COCIN

PTO/SB/44 (04-05)

Approved for use through 04/30/2007. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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